

CHAPTER 85

ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS
AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS,
AND PARTS AND ACCESSORIES OF SUCH ARTICLES

XVI
85-1

Notes

1. This chapter does not cover:
 - (a) Electrically warmed blankets, bed pads, foot-muffs or the like; electrically warmed clothing, footwear or ear pads or other electrically warmed articles worn on or about the person;
 - (b) Articles of glass of heading 7011; or
 - (c) Electrically heated furniture of chapter 94.
2. Headings 8501 to 8504 do not apply to goods described in heading 8511, 8512, 8540, 8541 or 8542.
However, metal tank mercury arc rectifiers remain classified in heading 8504.
3. Heading 8509 covers only the following electromechanical machines of the kind commonly used for domestic purposes:
 - (a) Vacuum cleaners, floor polishers, food grinders, processors or mixers, and fruit or vegetable juice extractors, of any weight;
 - (b) Other machines provided the weight of such machines does not exceed 20 kg, exclusive of extra interchangeable parts or detachable auxiliary devices.

The heading does not, however, apply to fans or ventilating or recycling hoods incorporating a fan, whether or not fitted with filters (heading 8414), centrifugal clothes dryers (heading 8421), dishwashing machines (heading 8422), household washing machines (heading 8450), roller or other ironing machines (heading 8420 or 8451), sewing machines (heading 8452), electric scissors (heading 8508) or to electrothermic appliances (heading 8516).
4. For the purposes of heading 8534 "printed circuits" are circuits obtained by forming on an insulating base, by any printing process (for example, embossing, plating-up, etching) or by the "film circuit" technique, conductor elements, contacts or other printed components (for example, inductances, resistors, capacitors) alone or interconnected according to a pre-established pattern, other than elements which can produce, rectify, modulate or amplify an electrical signal (for example, semiconductor elements).

The term "printed circuits" does not cover circuits combined with elements other than those obtained during the printing process, nor does it cover individual, discrete resistors, capacitors or inductances. Printed circuits may, however, be fitted with non-printed connecting elements.

Thin- or thick-film circuits comprising passive and active elements obtained during the same technological process are to be classified in heading 8542.
5. For the purposes of headings 8541 and 8542:
 - (a) "Diodes, transistors and similar semiconductor devices" are semiconductor devices the operation of which depends on variations in resistivity on the application of an electric field;
 - (b) "Electronic integrated circuits and microassemblies" are:
 - (i) Monolithic integrated circuits in which the circuit elements (diodes, transistors, resistors, capacitors, interconnections, etc.) are created in the mass (essentially) and on the surface of a semiconductor material (doped silicon, for example) and are inseparably associated;
 - (ii) Hybrid integrated circuits in which passive elements (resistors, capacitors, interconnections, etc.) obtained by thin- or thick-film technology and active elements (diodes, transistors, monolithic integrated circuits, etc.) obtained by semiconductor technology, are combined to all intents and purposes indivisibly, on a single insulating substrate (glass, ceramic, etc.). These circuits may also include discrete components;
 - (iii) Microassemblies of the molded module, micromodule or similar types, consisting of discrete, active or both active and passive, components which are combined and interconnected.

For the classification of the articles defined in this note, headings 8541 and 8542 shall take precedence over any other heading in the tariff schedule which might cover them by reference to, in particular, their function.
6. Records, tapes and other media of heading 8523 or 8524 remain classified in those headings, whether or not they are entered with the apparatus for which they are intended.

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-2

7. For the purposes of heading 8548, "spent primary cells, spent primary batteries and spent electric storage batteries" are those which are neither usable as such because of breakage, cutting up, wear or other reasons, nor capable of being recharged.

Subheading Note

1. Subheadings 8519.92 and 8527.12 cover only cassette players with built-in amplifier, without built-in loudspeaker, capable of operating without an external source of electric power and the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

Additional U.S. Notes

1. For the purposes of headings 8501 and 8503, 746 watts (W) is taken to be equivalent to 1 horsepower (hp).
2. For the purposes of subheading 8516.72, the term "toasters" includes toaster-ovens which are designed essentially for toasting bread but can also bake small items, such as potatoes.
3. For the purposes of heading 8525 the term "transceivers" refers to combinations of radio transmitting and receiving equipment in a common housing, employing common circuit components for both transmitting and receiving, and which are not capable of simultaneously receiving and transmitting.
4. For the purposes of **8529.90.20 and 8529.90.30**:
 - (a) Each subassembly that contains as a component, or is covered in the same entry with, one or more of the following television components, viz.,

tuner, channel selector assembly, antenna, deflection yoke, degaussing coil, picture tube mounting bracket, grounding assembly, parts necessary for fixing the picture tube or tuner in place, consumer-operated controls or speaker,

shall be classified in subheading **8529.90.20**, as appropriate; and
 - (b) Each subassembly shall be counted as a single unit, except that two or more different printed circuit boards or ceramic substrates covered by the same entry and designed for assembly into the same television models shall be counted as one unit.
5. Picture tubes imported in combination with, or incorporated into, other articles are to be classified in subheadings 8540.11 through 8540.12, inclusive, unless they are--
 - (a) incorporated into complete television receivers, as defined in additional U.S. note 6 below;
 - (b) incorporated into fully assembled units such as word processors, ADP terminals, or similar articles;
 - (c) put up in kits containing all the parts necessary for assembly into complete television receivers, as defined in additional U.S. note 6 below; or
 - (d) put up in kits containing all the parts necessary for assembly into fully assembled units such as word processors, ADP terminals, or similar articles.
6. For the purposes of additional U.S. note 5 above the term "complete television receivers" means television receivers, fully assembled in their cabinets, whether or not packaged or tested for distribution to the ultimate purchaser(s).

7. Subheading 8517.90.04 covers the following parts of facsimile machines:
- (a) Control or command assemblies, incorporating more than one of the following: printed circuit assembly, modem, hard or flexible (floppy) disk drive, keyboard, user interface;
 - (b) Optics module assemblies, incorporating more than one of the following: optics lamp, charge couples device and appropriate optics, lenses, mirrors;
 - (c) Laser imaging assemblies, incorporating more than one of the following: photoreceptor belt or cylinder, toner receptacle unit, toner developing unit, charge/discharge units, cleaning unit;
 - (d) Ink jet marking assemblies, incorporating more than one of the following: thermal print head, ink dispensing unit, nozzle and reservoir unit, ink heater;
 - (e) Thermal transfer imaging assemblies, incorporating more than one of the following: thermal print head, cleaning unit, supply or take-up roller;
 - (f) Ionographic imaging assemblies, incorporating more than one of the following: ion generation and emitting unit, air assist unit, printed circuit assembly, charge receptor belt or cylinder, toner receptacle unit, toner distribution unit, developer receptacle and distribution unit, developing unit, charge/discharge unit, cleaning unit;
 - (g) Image fixing assemblies, incorporating more than one of the following: fuser, pressure roller, heating elements, release oil dispenser, cleaning unit, electrical control;
 - (h) Paper handling assemblies, incorporating more than one of the following: paper transport belt, roller, print bar, carriage, gripper roller, paper storage unit, exit tray; and
 - (ij) Combinations of the above specified assemblies.
8. For the purposes of this chapter, references to "high definition" as it applies to television receivers and cathode-ray tubes refer to articles having:
- (a) a screen aspect ratio equal to or greater than 16:9; and
 - (b) a viewing screen capable of displaying more than 700 scanning lines.
9. For the purposes of this chapter, the video display diagonal is determined by measuring the maximum straight line dimension across the visible portion of the faceplate used for displaying video.
10. For the purposes of subheading **8538.90.20**, the expression "articles described in additional U.S. note 10 to chapter 85" means any of the following goods: spin dryers of subheading 8421.19.30; deflash machines of subheading 8424.30 for cleaning or removing contaminants from the metal leads of semiconductor packages prior to electroplating (deflash by projectile beads); **machines or appliances of subheading 8424.89.40**; automated machinery of subheading 8428.20, 8428.33, 8428.39 or 8428.90 for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other materials for semiconductor devices; machines of subheading 8456.10.60; machines of subheading 8456.91; **machines of subheading 8456.99.05**; machines of subheading 8462.21.40 or 8462.29.40; machines of subheading 8464.10 for sawing monocrystal semiconductor boules into slices, or wafers into chips; machines of subheading 8464.20.10; machines of subheading **8464.90.50**; deflash machines of subheading 8465.99.40; articles of subheading 8469.11, heading 8470 or heading 8471; automatic teller machines of subheading **8472.90.25**; **injection-molding machines for encapsulation in the assembly of semiconductors**; machines of subheading 8477.40.40 or 8477.59.40; machines of subheading **8479.89.86** for processing of semiconductor materials or for production and assembly of diodes, transistors and similar semiconductor devices and electronic integrated circuits **or for wet-cleaning flat panel displays**; furnaces and ovens of subheading 8514.10 or 8514.20 for the manufacture of semiconductor devices on semiconductor wafers; furnaces and ovens of subheading **8514.30.40 for rapid heating of semiconductor wafers**; die attach apparatus, tape automated bonders and wire bonders of subheading 8515.80 for assembly of semiconductors; articles of heading 8517; articles of subheading 8520.20; transmission apparatus of subheading 8525.10.10 or 8525.10.90; articles of subheading 8525.20; digital still image video cameras of subheading 8525.40.40; article of subheading 8527.90.40; paging receivers of subheading **8527.90.60**; ion implanters of subheading 8543.11 designed for doping semiconductor materials; **electrical machines with translation or dictionary functions of subheading 8543.89.20**; **flat panel displays, other than for articles of heading 8528, of subheading 8543.89.20**; photocopying apparatus of subheading 9009.11 or 9009.21; apparatus of subheading 9010.41, 9010.42 or 9010.49; apparatus of subheading **9010.50** for the projection or drawing of circuit patterns on flat panel displays; plotters of subheading 9017.10.40 or **9017.20.60**; pattern generating apparatus of subheading **9017.20.60**; instruments and apparatus of heading 9026; instruments and apparatus of heading 9027 except of subheading 9027.10, 9027.40 or 9027.90.20; instruments and apparatus of subheading 9030.40; instruments and apparatus of subheading 9030.82; optical instruments and appliances of subheading 9031.41; optical instruments and appliances of subheading 9031.49.70; articles of subheading 9031.80.40.

XVI
85-4

11. **Subheadings 8528.12.10, 8528.21.12 and 8528.30.15 refer to the** following parts of television receivers (including video monitors and video projectors):

- (a) Video intermediate (IF) amplifying and detecting systems;
- (b) Video processing and amplification systems;
- (c) Synchronizing and deflection circuitry;
- (d) Tuners and tuner control systems; and
- (e) Audio detection and amplification systems.

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-5

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8501	Electric motors and generators (excluding generating sets):			
8501.10	Motors of an output not exceeding 37.5 W:			
8501.10.30	Of under 18.65 W	4.4%	Free (B,CA,E,IL, J,MX)	90%
8501.10.60	Of 18.65 W or more but not exceeding 37.5 W	2.8%	Free (B,CA,E,IL, J,MX)	35%
8501.20	Universal AC/DC motors of an output exceeding 37.5 W:			
8501.20.20	Exceeding 37.5 W but not exceeding 74.6 W	3.3%	Free (B,CA,E,IL, J,MX)	35%
8501.20.40	Exceeding 74.6 W but not exceeding 735 W	4%	Free (B,CA,E,IL, J,MX)	35%
8501.20.80	Other	2.4%	Free (B,C,CA,E, IL,J,MX)	35%
8501.31	Other DC motors; DC generators: Of an output not exceeding 750 W:			
8501.31.20	Motors: Exceeding 37.5 W but not exceeding 74.6 W	2.8%	Free (B,CA,E,IL, J,MX)	35%
8501.31.40	Exceeding 74.6 W but not exceeding 735 W	4%	Free (B,CA,E,IL, J,MX)	35%
8501.31.70	Other	2.4%	Free (B,C,CA,E, IL,J,MX)	35%
8501.31.80	Generators	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8501.32	Of an output exceeding 750 W but not exceeding 75 kW:			
8501.32.20	Motors: Exceeding 750 W but not exceeding 14.92 kW	2.9%	Free (B,C,CA,E, IL,J,MX)	35%
8501.32.40	Other	Free		35%
8501.32.60	Generators	2%	Free (B,C,CA,E, IL,J,MX)	35%
8501.33	Of an output exceeding 75 kW but not exceeding 375 kW:			
8501.33.20	Motors: Exceeding 75 kW but under 149.2 kW	Free		35%
8501.33.30	149.2 kW or more but not exceeding 150 kW	2.8%	Free (C,CA,E,IL, J,MX)	35%
8501.33.40	Other	2.8%	Free (CA,E,IL,J, MX)	35%
8501.33.60	Generators	2.5%	Free (B,C,CA,E IL,J,MX)	35%
8501.34	Of an output exceeding 375 kW:			
8501.34.30	Motors	2.8%	Free (CA,E,IL,J, MX)	35%
8501.34.60	Generators	2%	Free (B,C,CA,E IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-6

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8501 (con.)	Electric motors and generators (excluding generating sets) (con.):			
8501.40	Other AC motors, single-phase:			
8501.40.20	Of an output exceeding 37.5 W but not exceeding 74.6 W	3.3%	Free (B,CA,E,IL, J,MX)	35%
8501.40.40	Of an output exceeding 74.6 W but not exceeding 735 W	4%	Free (B,CA,E,IL, J,MX)	35%
8501.40.70	Other	3.7%	Free (B,C,CA,E, IL,J,MX)	35%
	Other AC motors, multi-phase:			
8501.51	Of an output not exceeding 750 W:			
8501.51.30	Exceeding 37.5 W but not exceeding 735 W	2.5%	Free (B,CA,E,IL, J,MX)	35%
8501.51.80	Other	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8501.52	Of an output exceeding 750 W but not exceeding 75 kW:			
8501.52.40	Exceeding 750 W but not exceeding 14.92 kW	3.7%	Free (B,C,CA,E, IL,J,MX)	35%
8501.52.80	Other	Free		35%
8501.53	Of an output exceeding 75 kW:			
8501.53.40	Exceeding 75 kW but under 149.2 kW	Free		35%
8501.53.60	149.2 kW or more but not exceeding 150 kW	4.2%	Free (C,CA,E,IL, J,MX)	35%
8501.53.80	Other	2.8%	Free (CA,E,IL,J, MX)	35%
	AC generators (alternators):			
8501.61.00	Of an output not exceeding 75 kVA	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8501.62.00	Of an output exceeding 75 kVA but not exceeding 375 kVA	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8501.63.00	Of an output exceeding 375 kVA but not exceeding 750 kVA	2.5%	Free (B,C,CA,E IL,J,MX)	35%
8501.64.00	Of an output exceeding 750 kVA	2.4%	Free (B,CA,E,IL, J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-7

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8502	Electric generating sets and rotary converters: Generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines):			
8502.11.00	Of an output not exceeding 75 kVA	2.5%	Free (B,C,CA,E IL,J,MX)	35%
8502.12.00	Of an output exceeding 75 kVA but not exceeding 375 kVA	2.5%	Free (B,C,CA,E IL,J,MX)	35%
8502.13.00	Of an output exceeding 375 kVA	2%	Free (B,C,CA,E IL,J,MX)	35%
8502.20.00	Generating sets with spark-ignition internal combustion piston engines	2%	Free (B,C,CA,E IL,J,MX)	35%
8502.31.00	Other generating sets: Wind-powered	2.5%	Free (B,C,CA, E,IL,J,MX)	35%
8502.39.00	Other	2.5%	Free (B,C,CA, E,IL,J,MX)	35%
8502.40.00	Electric rotary converters	3%	Free (B,C,CA,E IL,J,MX)	35%
8503.00	Parts suitable for use solely or principally with the machines of heading 8501 or 8502:			
8503.00.20	Commutators	2.4%	Free (B,CA,E,IL, J,MX)	35%
8503.00.40	For motors of under 18.65 W	6.5%	Free (B,CA,E,IL, J,MX)	90%
8503.00.60	For generators suitable for use on aircraft	Free		35%
8503.00.80	Other	3%	Free (B,CA,E,IL, J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-8

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8504	Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof:			
8504.10.00	Ballasts for discharge lamps or tubes	3%	Free (B,C,CA,E,IL,J,MX)	35%
8504.21.00	Liquid dielectric transformers: Having a power handling capacity not exceeding 650 kVA	Free		35%
8504.22.00	Having a power handling capacity exceeding 650 kVA but not exceeding 10,000 kVA	Free		35%
8504.23.00	Having a power handling capacity exceeding 10,000 kVA	1.6%	Free (CA,E,IL,J,MX)	35%
8504.31	Other transformers: Having a power handling capacity not exceeding 1 kVA:			
8504.31.20	Unrated	Free		35%
8504.31.40	Other: Having a power handling capacity less than 1 kVA	6.6%	Free (B,C,CA,E,IL,J,MX)	35%
8504.31.60	Having a power handling capacity of 1 kVA	1.6%	Free (B,C,CA,E,IL,J,MX)	35%
8504.32.00	Having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA	2.4%	Free (B,C,CA,E,IL,J,MX)	35%
8504.33.00	Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA	1.6%	Free (B,C,CA,E,IL,J,MX)	35%
8504.34.00	Having a power handling capacity exceeding 500 kVA	1.6%	Free (B,CA,E,IL,J,MX)	35%
8504.40	Static converters:			
8504.40.20	Static converters for telecommunications apparatus; power supplies for automatic data processing machines or units thereof of heading 8471	Free		35%
8504.40.90	Other	1.5%	Free (B,C,CA,E,IL,J,MX)	35%
8504.50	Other inductors:			
8504.50.40	For power supplies for automatic data processing machines and units thereof of heading 8471; for telecommunication apparatus	Free		35%
8504.50.80	Other	3%	Free (B,C,CA,E,IL,J,MX)	35%
8504.90	Parts:			
8504.90.30	Of power supplies for automatic data processing machines or units thereof of heading 8471	Free		35%
8504.90.60	Other: Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	Free		35%
8504.90.90	Other	2.4%	Free (B,C,CA,E,IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-9

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8505	Electromagnets; permanent magnets and articles intended to become permanent magnets after magnetization; electromagnetic or permanent magnet chucks, clamps and similar holding devices; electromagnetic couplings, clutches and brakes; electromagnetic lifting heads; parts thereof: Permanent magnets and articles intended to become permanent magnets after magnetization:			
8505.11.00	Of metal	2.1%	Free (B,CA,E,IL,J,MX)	45%
8505.19.00	Other	4.9%	Free (CA,E,IL,J,MX)	45%
8505.20.00	Electromagnetic couplings, clutches and brakes	3.1%	Free (B,CA,E,IL,J,MX)	35%
8505.30.00	Electromagnetic lifting heads	Free		35%
8505.90	Other, including parts:			
8505.90.40	Work holders and parts thereof	Free		30%
8505.90.80	Other	1.3%	Free (B,CA,E,IL,J,MX)	35%
8506	Primary cells and primary batteries; parts thereof:			
8506.10.00	Manganese dioxide	2.7%	Free (CA,E,IL,J,MX)	35%
8506.30.00	Mercuric oxide	2.7%	Free (CA,E,IL,J,MX)	35%
8506.40.00	Silver oxide	2.7%	Free (CA,E,IL,J,MX)	35%
8506.50.00	Lithium	2.7%	Free (CA,E,IL,J,MX)	35%
8506.60.00	Air-zinc	2.7%	Free (CA,E,IL,J,MX)	35%
8506.80.00	Other	2.7%	Free (CA,E,IL,J,MX)	35%
8506.90.00	Parts	2.7%	Free (CA,E,IL,J,MX)	35%
8507	Electric storage batteries, including separators therefor, whether or not rectangular (including square); parts thereof:			
8507.10.00	Lead-acid storage batteries, of a kind used for starting piston engines	3.5%	Free (B,C,CA,E,IL,J,MX)	40%
8507.20.00	Other lead-acid storage batteries	3.5%	Free (B,C,CA,E,IL,J,MX)	40%
8507.30.00	Nickel-cadmium storage batteries	2.5%	Free (B,C,CA,E,IL,J,MX)	40%
8507.40.00	Nickel-iron storage batteries	3.4%	Free (B,C,CA,E,IL,J,MX)	40%
8507.80.00	Other storage batteries	3.4%	Free (B,C,CA,E,IL,J,MX)	40%
8507.90.00	Parts	3.4%	Free (B,C,CA,E,IL,J,MX)	40%
8508	Electromechanical tools for working in the hand with self-contained electric motor; parts thereof:			
8508.10.00	Drills of all kinds	1.7%	Free (CA,E,IL,J,MX)	35%
8508.20.00	Saws	Free		35%
8508.80.00	Other tools	Free		35%
8508.90.00	Parts	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-10

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8509	Electromechanical domestic appliances, with self-contained electric motor; parts thereof:			
8509.10.00	Vacuum cleaners	Free		35%
8509.20.00	Floor polishers	Free		35%
8509.30.00	Kitchen waste disposers (disposals)	Free		40%
8509.40.00	Food grinders, processors and mixers; fruit or vegetable juice extractors	4.2%	Free (CA,E,IL,J, MX)	40%
8509.80.00	Other appliances	4.2%	Free (CA,E,IL,J, MX)	40%
8509.90	Parts:			
8509.90.10	Parts of vacuum cleaners	2%	Free (CA,E,IL,J, MX)	35%
8509.90.20	Parts of floor polishers	3.4%	Free (CA,E,IL,J, MX)	35%
8509.90.60	Other	4.2%	Free (CA,E,IL,J, MX)	40%
8510	Shavers, hair clippers and hair-removing appliances, with self-contained electric motor; parts thereof:			
8510.10.00	Shavers	Free		35%
8510.20.00	Hair clippers	4%	Free (CA,E,IL,J, MX)	45%
8510.30.00	Hair-removing appliances	4.2%	Free (CA,E,IL,J, MX)	40%
8510.90	Parts:			
8510.90.40	Parts of shavers	Free		35%
8510.90.60	Other	4%	Free (CA,E,IL,J, MX)	45%
8511	Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, spark plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines; parts thereof:			
8511.10.00	Spark plugs	A2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.20.00	Ignition magnetos; magneto-dynamos; magnetic flywheels	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.30.00	Distributors; ignition coils	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.40.00	Starter motors and dual purpose starter-generators	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.50.00	Other generators	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.80	Other equipment:			
	Voltage and voltage-current regulators with cut-out relays:			
8511.80.20	Designed for use on 6, 12 or 24 V systems	2.5%	Free (B,C,CA,E, IL,J,MX)	25%
8511.80.40	Other	Free		35%
8511.80.60	Other	2.5%	Free (B,C,CA,E, IL,J,MX)	35%
8511.90	Parts:			
	Of voltage and voltage-current regulators with cut-out relays:			
8511.90.20	Designed for use on 6, 12 or 24 V systems	3.1%	Free (B,CA,E,IL, J,MX)	25%
8511.90.40	Other	Free		35%
8511.90.60	Other parts	2.5%	Free (B,CA,E,IL, J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-11

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8512	Electrical lighting or signaling equipment (excluding articles of heading 8539), windshield wipers, defrosters and demisters, of a kind used for cycles or motor vehicles; parts thereof:			
8512.10	Lighting or visual signaling equipment of a kind used on bicycles:			
8512.10.20	Lighting equipment	Free		45%
8512.10.40	Visual signaling equipment	2.7%	Free (CA,E,IL,J, MX)	35%
8512.20	Other lighting or visual signaling equipment:			
8512.20.20	Lighting equipment	Free		25%
8512.20.40	Visual signaling equipment	2.5%	Free (B,CA,E,IL, J,MX)	35%
8512.30.00	Sound signaling equipment	2.5%	Free (B,CA,E,IL, J,MX)	35%
8512.40.00	Windshield wipers, defrosters and demisters	2.5%	Free (B,CA,E,IL,J, J,MX)	35%
8512.90	Parts:			
8412.90.40	Of lighting equipment	Free		45%
8512.90.80	Other	2.5%	Free (B,CA,E,IL, J,MX)	35%
8513	Portable electric lamps designed to function by their own source of energy (for example, dry batteries, storage batteries, magnetos), other than lighting equipment of heading 8512; parts thereof:			
8513.10	Lamps:			
8513.10.20	Flashlights	12.5%	Free (CA,E,IL,J, MX)	35%
8513.10.40	Other	3.5%	Free (CA,E,IL,J, MX)	40%
8513.90	Parts:			
8513.90.20	Of flashlights	12.5%	Free (CA,E,IL,J, MX)	35%
8513.90.40	Other	3.5%	Free (CA,E,IL,J, MX)	40%
8514	Industrial or laboratory electric (including induction or dielectric) furnaces and ovens; other industrial or laboratory induction or dielectric heating equipment; parts thereof:			
8514.10.00	Resistance heated furnaces and ovens	Free		35%
8514.20.00	Induction or dielectric furnaces and ovens	Free		35%
8514.30	Other furnaces and ovens:			
8514.30.40	For diffusion, oxidation or annealing of semiconductor wafers; for rapid heating of semiconductor wafers	Free		35%
8514.30.80	Other	1.3%	Free (CA,E,IL,J, MX)	35%
8514.40.00	Other induction or dielectric heating equipment	Free		35%
8514.90.00	Parts	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-12

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8515	Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus for hot spraying of metals or cermets; parts thereof:			
	Brazing or soldering machines and apparatus:			
8515.11.00	Soldering irons and guns	2.5%	Free (CA,E,IL,J,MX)	35%
8515.19.00	Other	Free		35%
	Machines and apparatus for resistance welding of metal:			
8515.21.00	Fully or partly automatic	Free		35%
8515.29.00	Other	Free		35%
	Machines and apparatus for arc (including plasma arc) welding of metals:			
8515.31.00	Fully or partly automatic	1.6%	Free (CA,E,IL,J,MX)	35%
8515.39.00	Other	1.6%	Free (CA,E,IL,J,MX)	35%
8515.80.00	Other machines and apparatus	Free		35%
8515.90.20	Parts:			
	Of welding machines and apparatus, other than die attach apparatus, tape automated bonders or wire bonders for assembly of semiconductors of subheading 8515.80	1.6%	Free (CA,E,IL,J,MX)	35%
8515.90.60	Other	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-13

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8516	Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof:			
8516.10.00	Electric instantaneous or storage water heaters and immersion heaters	Free		35%
8516.21.00	Electric space heating apparatus and electric soil heating apparatus: Storage heating radiators	Free		35%
8516.29.00	Other	3.7%	Free (B,CA,E,IL,J,MX)	35%
8516.31.00	Electrothermic hairdressing or hand-drying apparatus: Hair dryers	3.9%	Free (CA,E,IL,J,MX)	35%
8516.32.00	Other hairdressing apparatus	3.9%	Free (CA,E,IL,J,MX)	35%
8516.33.00	Hand-drying apparatus	Free		35%
8516.40	Electric flatirons:			
8516.40.20	Travel type	Free		35%
8516.40.40	Other	2.8%	Free (CA,E,IL,J,MX)	40%
8516.50.00	Microwave ovens	2%	Free (CA,E,IL,J,MX)	35%
8516.60	Other ovens; cooking stoves, ranges, cooking plates, boiling rings, grillers and roasters:			
8516.60.40	Cooking stoves, ranges and ovens	Free		35%
8516.60.60	Other	2.7%	Free (CA,E,IL,J,MX)	40%
8516.71.00	Other electrothermic appliances: Coffee or tea makers	3.7%	Free (CA,E,IL,J,MX)	40%
8516.72.00	Toasters	5.3%	Free (CA,E,IL,J,MX)	40%
8516.79.00	Other	2.7%	Free (CA,E,IL,J,MX)	40%
8516.80.00	Electric heating resistors	Free		35%
8516.90	Parts:			
8516.90.05	For heaters or heating apparatus of subheading 8516.10, 8516.21 or 8516.29	3.7%	Free (B,CA,E,IL,J,MX)	35%
8516.90.65	For microwave ovens of subheading 8516.50; for the cooking stoves, ranges and ovens of subheading 8516.60.40	Free		35%
8516.90.95	Other	3.9%	Free (CA,E,IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-14

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8517	Electrical apparatus for line telephony or line telegraphy, including line telephone sets with cordless handsets and telecommunication apparatus for carrier-current line systems or for digital line systems; videophones; parts thereof:			
	Telephone sets; videophones:			
8517.11.00	Line telephone sets with cordless handsets	Free		35%
8517.19.00	Other	Free		35%
	Facsimile machines and teleprinters:			
8517.21.00	Facsimile machines	Free		35%
8517.22.00	Teleprinters	Free		35%
8517.30.00	Telephonic or telegraphic switching apparatus	Free		35%
8517.50.00	Other apparatus, for carrier-current line systems or for digital line systems	Free		35%
8517.80.00	Other apparatus	Free		35%
8517.90	Parts:			
8517.90.04	Parts of facsimile machines specified in additional U.S. note 7 to this chapter	Free		35%
8517.90.90	Other	Free		35%
8518	Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets; parts thereof:			
	Microphones and stands therefor:			
8518.10	Microphones having a frequency range of 300 Hz to 3.4 kHz with a diameter of not exceeding 10 mm and a height not exceeding 3 mm, for telecommunication use	Free		35%
8518.10.40				
8518.10.80	Other	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
	Loudspeakers, whether or not mounted in their enclosures:			
8518.21.00	Single loudspeakers, mounted in their enclosures	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.22.00	Multiple loudspeakers, mounted in the same enclosure	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.29	Other:			
8518.29.40	Without housing, having a frequency range of 300 Hz to 3.4 kHz with a diameter of not exceeding 50 mm, for telecommunication use	Free		35%
8518.29.80	Other	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.30	Headphones, earphones and combined microphone/speaker sets:			
8518.30.10	Line telephone handsets	Free		35%
8518.30.20	Other	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.40	Audio-frequency electric amplifiers:			
8518.40.10	For use as repeaters in line telephony	Free		35%
8518.40.20	Other	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.50.00	Electric sound amplifier sets	4.9%	Free (B,C,CA,E,IL,J,MX)	35%
8518.90	Parts:			
8518.90.40	Printed circuit assemblies of the articles of subheading 8518.10.40, 8518.29.40 or 8518.30.10; parts of articles of subheading 8518.40.10	Free		35%
8518.90.80	Other	4.9%	Free (B,CA,E,IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-15

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8519	Turntables, record players, cassette players and other sound reproducing apparatus, not incorporating a sound recording device:			
8519.10.00	Coin- or token-operated record players	Free		35%
	Other record players:			
8519.21.00	Without loudspeaker	Free		35%
8519.29.00	Other	3.9%	Free (B,CA,E,IL, J,MX)	35%
	Turntables:			
8519.31.00	With automatic record changing mechanism	3.9%	Free (B,CA,E,IL, J,MX)	35%
8519.39.00	Other	Free		35%
8519.40.00	Transcribing machines	3.9%	Free (B,CA,E,IL, J,MX)	35%
	Other sound reproducing apparatus:			
8519.92.00	Pocket-size cassette players	Free		35%
8519.93	Other, cassette type:			
8519.93.40	Designed exclusively for motor-vehicle installation	3.7%	Free (B,CA,E,IL, J,MX)	35%
8519.93.80	Other	Free		35%
8519.99.00	Other	Free		35%
8520	Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device:			
8520.10.00	Dictating machines not capable of operating without an external source of power	Free		35%
8520.20.00	Telephone answering machines	Free		35%
	Other magnetic tape recorders incorporating sound reproducing apparatus:			
8520.32.00	Digital audio type	Free		35%
8520.33.00	Other, cassette type	Free		35%
8520.39.00	Other	Free		35%
8520.90.00	Other	Free		35%
8521	Video recording or reproducing apparatus, whether or not incorporating a video tuner:			
8521.10.00	Magnetic tape-type	Free		35%
8521.90.00	Other	Free		35%
8522	Parts and accessories suitable for use solely or principally with the apparatus of headings 8519 to 8521:			
8522.10.00	Pickup cartridges	3.9%	Free (B,CA,E,IL, J,MX)	35%
8522.90	Other:			
8522.90.45	Printed circuit assemblies for telephone answering machines	Free		35%
8522.90.95	Other	2%	Free (B,C,CA,E, IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-16

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8523	Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of chapter 37:			
	Magnetic tapes:			
8523.11.00	Of a width not exceeding 4 mm	Free		80%
8523.12.00	Of a width exceeding 4 mm but not exceeding 6.5 mm	Free		80%
8523.13.00	Of a width exceeding 6.5 mm	Free		80%
8523.20.00	Magnetic discs	Free		80%
8523.30.00	Cards incorporating a magnetic stripe	Free		80%
8523.90.00	Other	Free		80%
8524	Records, tapes and other recorded media for sound or other similarly recorded phenomena, including matrices and masters for the production of records, but excluding products of chapter 37:			
8524.10.00	Phonograph records	1.8%	Free (CA,E,IL,J, MX)	30%
8524.31.00	Discs for laser reading systems: For reproducing phenomena other than sound or image	Free		86.1¢/m ² of recording surface
8524.32.00	For reproducing sound only	Free		86.1¢/m ² of recording surface
8524.39	Other:			
8524.39.40	For reproducing representations of instructions, data, sound, and image, recorded in a machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing machine; proprietary format recorded discs	Free		80%
8524.39.80	Other	2.7%	Free (CA,E,IL,J, MX)	80%
8524.40.00	Magnetic tapes for reproducing phenomena other than sound or image	Free		86.1¢/m ² of recording surface
8524.51.00	Other magnetic tapes: Of a width not exceeding 4 mm	1.28%	Free (CA,E,IL,J, MX)	86.1¢/m ² of recording surface
8524.52	Of a width exceeding 4 mm but not exceeding 6.5 mm:			
8524.52.10	Video tape recordings	1.60%	Free (CA,E,IL, J,MX)	3.3¢/lin. m
8524.52.20	Other	0.93%	Free (CA,E,IL,J, MX)	86.1¢/m ² of recording surface
8524.53.00	Of a width exceeding 6.5 mm	Free		3.3¢/lin. m
8524.60.00	Cards incorporating a magnetic stripe	Free		86.1¢/m ² of recording surface
8524.91.00	Other: For reproducing phenomena other than sound or image	Free		86.1¢/m ² of recording surface
8524.99.00	Other	Free		86.1¢/m ² of recording surface

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-17

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8525	Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras; still image video cameras or other video camera recorders:			
8525.10	Transmission apparatus:			
	For television:			
8525.10.10	Set top boxes which have a communication function	Free		35%
8525.10.30	Other	1.8%	Free (B,CA,E,IL,J,MX)	35%
8525.10.70	For radiobroadcasting	3%	Free (B,C,CA,E,IL,J,MX)	35%
8525.10.90	Other	Free		35%
8525.20.00	Transmission apparatus incorporating reception apparatus	Free		35%
8525.30.00	Television cameras	2.1%	Free (CA,E,IL,J,MX)	35%
8525.40	Still image video cameras and other video camera recorders:			
8525.40.40	Digital still image video cameras	Free		35%
8525.40.80	Other	2.1%	Free (CA,E,IL,J,MX)	35%
8526	Radar apparatus, radio navigational aid apparatus and radio remote control apparatus:			
8526.10.00	Radar apparatus	Free		35%
	Other:			
8526.91.00	Radio navigational aid apparatus	Free		35%
8526.92.00	Radio remote control apparatus	4.9%	Free (C,CA,E,IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-18

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8527	Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock: Radiobroadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radiotelephony or radiotelegraphy:			
8527.12.00	Pocket-size radio cassette players	Free		35%
8527.13.00	Other apparatus combined with sound recording or reproducing apparatus	Free		35%
8527.19	Other:			
8527.19.10	Valued not over \$40 each, incorporating a clock or clock-timer, not in combination with any other article, and not designed for motor vehicle installation	Free		35%
8527.19.50	Other	3%	Free (CA,E,IL,J, MX)	35%
	Radiobroadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radiotelephony or radiotelegraphy:			
8527.21	Combined with sound recording or reproducing apparatus:			
8527.21.10	Radio-tape player combinations	2%	Free (B,CA,E,IL, J,MX)	35%
8527.21.40	Other	Free		35%
8527.29.00	Other	4.4%	Free (B,CA,E, IL,J,MX)	35%
	Other radiobroadcast receivers, including apparatus capable of receiving also radiotelephony or radiotelegraphy:			
8527.31	Combined with sound recording or reproducing apparatus:			
8527.31.20	Combinations incorporating tape players which are incapable of recording	1%	Free (CA,E,IL, J,MX)	35%
8527.31.40	Other combinations incorporating tape recorders	2.5%	Free (CA,E,IL, J,MX)	35%
8527.31.90	Other	Free		35%
8527.32	Not combined with sound recording or reproducing apparatus but combined with a clock:			
8527.32.10	Valued not over \$40 each	Free		35%
8527.32.50	Other	3%	Free (CA,E,IL,J, MX)	35%
8527.39.00	Other	3%	Free (CA,E,IL,J, MX)	35%
8527.90	Other apparatus:			
8527.90.20	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks	Free		35%
8527.90.40	Infant nursery monitor systems, each consisting in the same package of a radio transmitter, an electrical adapter, and a radio receiver	Free		35%
8527.90.60	Paging receivers	Free		35%
8527.90.80	Other	6%	Free (B,C,CA,E, IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-19

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8528	Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors:			
8528.12	Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus:			
8528.12.10	Color: Incomplete or unfinished (including assemblies for television receivers consisting of all the parts specified in additional U.S. note 11 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device	Free		35%
8528.12.15	Non-high definition, having a single picture tube intended for direct viewing (non-projection type): With a video display diagonal not exceeding 34.29 cm	Free		25%
8528.12.25	Other: Incorporating video recording or reproducing apparatus	3.9%	Free (CA,E,IL, J,MX)	25%
8528.12.30	Other	5%	Free (B,CA,E, IL,J,MX)	35%
8528.12.38	Other, with a cathode-ray tube	5%	Free (B,CA,E, IL,J,MX)	35%
8525.12.70	Other: With a video display diagonal not exceeding 34.29 cm	Free		25%
8528.12.85	Other: Set top boxes which have a communications function; printed circuit assemblies incorporating a tuner, of a kind used with automatic data processing machines of heading 84.71	Free		35%
8528.12.90	Other	5%	Free (B,CA,E, IL,J,MX)	35%
8528.13.00	Black and white or other monochrome	5%	Free (B,CA,E, IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-20

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8528 (con.)	Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):			
	Video monitors:			
	Color:			
8528.21	Incomplete or unfinished (including assemblies consisting of the parts specified in subdivisions (a), (b), (c) and (e) in additional U.S. note 11 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device	Free		35%
8528.21.12				
	Non-high definition, having a single picture tube intended for direct viewing (non-projection type):			
8528.21.15	With a video display diagonal not exceeding 34.29 cm	Free		25%
8528.21.35	Other	5%	Free (B,CA,E,IL,J,MX)	35%
8528.21.45	Other, with a cathode-ray tube	5%	Free (B,CA,E,IL,J,MX)	35%
	Other:			
8528.21.78	With a video display diagonal not exceeding 34.29 cm	Free		35%
8528.21.84	Other	5%	Free (B,CA,E,IL,J,MX)	35%
8528.22.00	Black and white or other monochrome	5%	Free (B,CA,E,IL,J,MX)	35%
8528.30	Video projectors:			
	Color:			
8528.30.15	Incomplete or unfinished (including assemblies consisting of the parts specified in subdivisions (a), (b), (c) and (e) in additional U.S. note 11 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device	Free		35%
8528.30.45	Other, with a cathode-ray tube	5%	Free (B,CA,E,IL,J,MX)	35%
	Other:			
8528.30.70	With a video display diagonal not exceeding 34.29 cm	Free		25%
8528.30.80	Other	5%	Free (B,CA,E,IL,J,MX)	35%
8528.30.90	Black and white or other monochrome	5%	Free (B,CA,E,IL,J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-21

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8529	Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528:			
8529.10	Antennas and antenna reflectors of all kinds; parts suitable for use therewith:			
8529.10.20	Television	1.8%	Free (B,CA,E,IL,J,MX)	35%
8529.10.40	Radar, radio navigational aid and radio remote control	Free		35%
8529.10.70	Other: Antennas and antenna reflectors of a kind used with apparatus for radiotelephony and radiotelegraphy	Free		35%
8529.10.90	Other	3%	Free (B,C,CA,E,IL,J,MX)	35%
8529.90	Other: Of television apparatus:			
8529.90.10	Tuners	3%	Free (CA,E,IL,J,MX)	35%
8529.90.20	Printed circuit boards and ceramic substrates with components assembled thereon, for color television receivers; subassemblies containing one or more of such boards or substrates, except tuners or convergence assemblies: Entered with components enumerated in additional U.S. note 4 to this chapter	4%	Free (B,CA,E,IL,J,MX)	35%
8529.90.30	Other	Free		35%
8529.90.40	Other: For television cameras: Mounted lenses suitable for use in, and entered separately from, closed-circuit television cameras, with or without attached electrical or non-electrical closed-circuit television camera connectors, and with or without attached motors	Free		35%
8529.90.50	Other	3.3%	Free (CA,E,IL,J,MX)	35%
8529.90.60	Other	2.9%	Free (B,CA,E,IL,J,MX)	35%
8529.90.70	Of radar, radio navigational aid or radio remote control apparatus: Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together	3.2%	Free (C,CA,E,IL,J,MX)	35%
8529.90.80	Other	3.2%	Free (CA,E,IL,J,MX)	35%
8529.90.90	Other	Free		35%
8530	Electrical signaling, safety or traffic control equipment for railways, streetcar lines, subways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 8608); parts thereof:			
8530.10.00	Equipment for railways, streetcar lines or subways	Free		35%
8530.80.00	Other equipment	Free		35%
8530.90.00	Parts	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-22

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8531	Electric sound or visual signaling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of heading 8512 or 8530; parts thereof:			
8531.10.00	Burglar or fire alarms and similar apparatus	1.3%	Free (B,C,CA,E,IL,J,MX)	35%
8531.20.00	Indicator panels incorporating liquid crystal devices (LCD's) or light emitting diodes (LED's)	Free		35%
8531.80.00	Other apparatus	Free		35%
8531.90.00	Parts	Free		35%
8532	Electrical capacitors, fixed, variable or adjustable (pre-set); parts thereof:			
8532.10.00	Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors)	Free		35%
	Other fixed capacitors:			
8532.21.00	Tantalum	Free		35%
8532.22.00	Aluminum electrolytic	Free		35%
8532.23.00	Ceramic dielectric, single layer	Free		35%
8532.24.00	Ceramic dielectric, multilayer	Free		35%
8532.25.00	Dielectric of paper or plastics	Free		35%
8532.29.00	Other	Free		35%
8532.30.00	Variable or adjustable (pre-set) capacitors	Free		35%
8532.90.00	Parts	Free		35%
8533	Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof:			
8533.10.00	Fixed carbon resistors, composition or film types	Free		35%
	Other fixed resistors:			
8533.21.00	For a power handling capacity not exceeding 20 W	Free		35%
8533.29.00	Other	Free		35%
	Wirewound variable resistors, including rheostats and potentiometers:			
8533.31.00	For a power handling capacity not exceeding 20 W	Free		35%
8533.39.00	Other	Free		35%
8533.40.00	Other variable resistors, including rheostats and potentiometers	Free		35%
8533.90.00	Parts	Free		35%
8534.00.00	Printed circuits	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-23

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8535	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, junction boxes), for a voltage exceeding 1,000 V:			
8535.10.00	Fuses	2.7%	Free (CA,E,IL,J, MX)	35%
8535.21.00	Automatic circuit breakers: For a voltage of less than 72.5 kV	2.7%	Free (CA,E,IL,J, MX)	35%
8535.29.00	Other	2%	Free (CA,E,IL,J, MX)	35%
8535.30.00	Isolating switches and make-and-break switches	2.7%	Free (CA,E,IL,J, MX)	35%
8535.40.00	Lightning arresters, voltage limiters and surge suppressors	2.7%	Free (CA,E,IL, J,MX)	35%
8535.90.00	Other	2.7%	Free (CA,E,IL,J, MX)	35%
8536	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V:			
8536.10.00	Fuses	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.20.00	Automatic circuit breakers	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.30.00	Other apparatus for protecting electrical circuits	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.41.00	Relays: For a voltage not exceeding 60 V	2.7%	Free (B,CA,CA,E, IL,J,MX)	35%
8536.49.00	Other	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.50	Other switches:			
8536.50.20	Electronic AC switches consisting of optically coupled input and output circuits (insulated thyristor AC switches); electronic switches, including temperature protected switches, consisting of a transistor and a logic chip (chip-on-chip technology); electromechanical snap-action switches for a current not exceeding 11 amps	Free		35%
8536.50.80	Other	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.61.00	Lamp-holders, plugs and sockets: Lamp-holders	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.69	Other:			
8536.69.40	Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors	Free		35%
8536.69.80	Other	2.7%	Free (B,CA,E,IL, J,MX)	35%
8536.90	Other apparatus:			
8536.90.40	Terminals, electrical splices and electrical couplings; wafer probers	Free		35%
8536.90.80	Other	2.7%	Free (B,CA,E,IL, J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-24

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8537	Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of chapter 90, and numerical control apparatus, other than switching apparatus of heading 8517:			
8537.10.00	For a voltage not exceeding 1,000 V	2.7%	Free (B,CA,E,IL, J,MX)	35%
8537.20.00	For a voltage exceeding 1,000 V	2.7%	Free (CA,E,IL,J, MX)	35%
8538	Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537:			
8538.10.00	Boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus	3.7%	Free (B,CA,E,IL, J,MX)	35%
8538.90	Other:			
8538.90.20	Printed circuit assemblies of an article of heading 8537 for one of the articles described in additional U.S. note 10 to chapter 85	Free		35%
8538.90.90	Other	3.5%	Free (B,CA,E,IL, J,MX)	35%
8539	Electrical filament or discharge lamps, including sealed beam lamp units and ultraviolet or infrared lamps; arc lamps; parts thereof:			
8539.10.00	Sealed beam lamp units	2%	Free (B,C,CA,E, IL,J,MX)	20%
	Other filament lamps, excluding ultraviolet or infrared lamps:			
	Tungsten halogen:			
8539.21	Designed for a voltage not exceeding 100 V	Free		20%
8539.21.20	Other	2.6%	Free (CA,E,IL,J, MX)	20%
8539.21.40				
8539.22	Other, of a power not exceeding 200 W and for a voltage exceeding 100 V:			
8539.22.40	Christmas-tree lamps	5.8%	Free (CA,E,IL,J, MX)	20%
8539.22.80	Other	2.6%	Free (CA,E,IL,J, MX)	20%
8539.29	Other:			
	Designed for a voltage not exceeding 100 V:			
8539.29.10	Christmas-tree lamps	5.8%	Free (CA,E,IL,J, MX)	20%
8539.29.25	Other	Free		20%
8539.29.40	Designed for a voltage exceeding 100 V	2.6%	Free (CA,E,IL,J, MX)	20%
	Discharge lamps, other than ultraviolet lamps:			
8539.31.00	Fluorescent, hot cathode	2.4%	Free (CA,E,IL,J, MX)	20%
8539.32.00	Mercury or sodium vapor lamps; metal halide lamps	2.4%	Free (CA,E,IL,J, MX)	20%
8539.39.00	Other	2.4%	Free (CA,E,IL,J, MX)	20%
	Ultraviolet or infrared lamps; arc lamps:			
8539.41.00	Arc lamps	2.6%	Free (CA,E,IL,J, MX)	35%
8539.49.00	Other	2.4%	Free (CA,E,IL,J, MX)	35%
8539.90.00	Parts	2.6%	Free (CA,E,IL,J, MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-25

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8540	Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof: Cathode-ray television picture tubes, including video monitor cathode-ray tubes:			
8540.11	Color: Having a video display diagonal not exceeding 34.29 cm:			
8540.11.25	Non-high definition, non-projection; high definition	7.5%	Free (B,CA,E,IL,J,MX)	60%
8540.11.45	Other	15%	Free (B,CA,E,IL,J,MX)	60%
8540.11.85	Other	15%	Free (B,CA,E,IL,J,MX)	60%
8540.12.00	Black and white or other monochrome	3.3%	Free (B,CA,E,IL,J,MX)	60%
8540.20	Television camera tubes; image converters and intensifiers; other photocathode tubes:			
8540.20.20	Cathode-ray tubes	6%	Free (B,CA,E,IL,J,MX)	35%
8540.20.40	Other	3.3%	Free (B,CA,E,IL,J,MX)	35%
8540.40.00	Data/graphic display tubes, color, with a phosphor dot screen pitch smaller than 0.4 mm	3%	Free (B,CA,E,IL,J,MX)	35%
8540.50.00	Data/graphic display tubes, black and white or other monochrome	3%	Free (B,CA,E,IL,J,MX)	35%
8540.60.00	Other cathode-ray tubes	3%	Free (B,CA,E,IL,J,MX)	35%
	Microwave tubes (for example, magnetrons, klystrons, traveling wave tubes, carcinotrons), excluding grid-controlled tubes:			
8540.71	Magnetrons:			
8540.71.20	Modified for use as parts of microwave ovens	Free		35%
8540.71.40	Other	3.7%	Free (CA,E,IL,J,MX)	35%
8540.72.00	Klystrons	3.3%	Free (CA,E,IL,J,MX)	35%
8540.79.00	Other	3.7%	Free (CA,E,IL,J,MX)	35%
	Other tubes:			
8540.81.00	Receiver or amplifier tubes	4.2%	Free (B,CA,E,IL,J,MX)	35%
8540.89.00	Other	3.7%	Free (B,CA,E,IL,J,MX)	35%
	Parts:			
8540.91	Of cathode-ray tubes:			
8540.91.20	Deflection coils	Free		35%
8540.91.90	Other	5.4%	Free (B,CA,E,IL,J,MX)	35%
8540.99.00	Other	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-26

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8541	Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof:			
8541.10.00	Diodes, other than photosensitive or light-emitting diodes	Free		35%
8541.21.00	Transistors, other than photosensitive transistors: With a dissipation rate of less than 1 W	Free		35%
8541.29.00	Other	Free		35%
8541.30.00	Thyristors, diacs and triacs, other than photosensitive devices	Free		35%
8541.40	Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes	Free		35%
8541.50.00	Other semiconductor devices	Free		35%
8541.60.00	Mounted piezoelectric crystals	Free		35%
8541.90.00	Parts	Free		35%
8542	Electronic integrated circuits and microassemblies; parts thereof:			
8542.12.00	Monolithic digital integrated circuits: Cards incorporating electronic integrated circuits ("smart" cards)	Free		35%
8542.13.00	Metal oxide semiconductors (MOS technology)	Free		35%
8542.14.00	Circuits obtained by bipolar technology	Free		35%
8542.19.00	Other, including circuits obtained by a combination of bipolar and MOS technologies (BIMOS technology)	Free		35%
8542.30.00	Other monolithic integrated circuits	Free		35%
8542.40.00	Hybrid integrated circuits	Free		35%
8542.50.00	Electronic microassemblies	Free		35%
8542.90.00	Parts	Free		35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-27

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8543	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; parts thereof:			
	Particle accelerators:			
8543.11.00	Ion implanters designed for doping semiconductor materials	Free		35%
8543.19.00	Other	1.9%	Free (CA,E,IL,J, MX)	35%
8543.20.00	Signal generators	2.6%	Free (CA,E,IL,J, MX)	35%
8543.30.00	Machines and apparatus for electroplating, electrolysis or electrophoresis	2.6%	Free (CA,E,IL,J, MX)	35%
8543.40.00	Electric fence energizers	2.6%	Free (CA,E,IL,J, MX)	35%
	Other machines and apparatus:			
8543.81.00	Proximity cards and tags	Free		35%
8543.89	Other:			
8543.89.20	Machines and apparatus for electrical nerve stimulation; electrical machines with translation or dictionary functions; flat panel displays other than for articles of heading 8528	Free		35%
8543.89.40	Electric synchros and transducers; flight data recorders; defrosters and demisters with electric resistors for aircraft	2.6%	Free (B,C,CA,E,IL, J,MX)	35%
8543.89.90	Other	2.6%	Free (B,CA,E,IL, J,MX)	35%
8543.90	Parts:			
8543.90.30	Assemblies and subassemblies for flight data recorders, consisting of two or more parts or pieces fastened or joined together	2.6%	Free (B,C,CA,E, IL,J,MX)	35%
8543.90.60	Of ion implanters of subheading 8543.11; of flat panel displays other than for articles of heading 8528	Free		35%
8543.90.80	Other	2.6%	Free (B,CA,E,IL, J,MX)	35%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-28

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8544	Insulated (including enameled or anodized) wire, cable (including coaxial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with electric conductors or fitted with connectors:			
	Winding wire:			
8544.11.00	Of copper	3.5%	Free (B,CA,E,IL, J,MX)	40%
8544.19.00	Other	3.9%	Free (B,CA,E,IL, J,MX)	35%
8544.20.00	Coaxial cable and other coaxial electric conductors	5.3%	Free (B,CA,E,IL, J,MX)	35%
8544.30.00	Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships	5%	Free (B,C,CA,E, IL,J,MX)	30%
	Other electric conductors, for a voltage not exceeding 80 V:			
	Fitted with connectors:			
8544.41	Of a kind used for telecommunications	Free		35%
8544.41.40	Other	2.6%	Free (B,CA,E,IL, J,MX)	35%
8544.49	Other:			
8544.49.40	Of a kind used for telecommunications	Free		40%
8544.49.80	Other	3.5%	Free (B,CA,E,IL, J,MX)	40%
	Other electric conductors, for a voltage exceeding 80 V but not exceeding 1,000 V:			
	Fitted with connectors:			
8544.51	Of a kind used for telecommunications	Free		35%
8544.51.30	Other	2.6%	Free (B,CA,E,IL, J,MX)	35%
8544.59	Other:			
8544.59.20	Of copper	5.3%	Free (B,CA,E,IL, J,MX)	40%
8544.59.40	Other	3.9%	Free (B,CA,E,IL, J,MX)	35%
8544.60	Other electric conductors, for a voltage exceeding 1,000 V:			
	Fitted with connectors	3.7%	Free (B,CA,E,IL, J,MX)	35%
8544.60.40	Other:			
	Of copper	3.5%	Free (B,CA,E,IL, J,MX)	40%
8544.60.60	Other	3.2%	Free (B,CA,E,IL, J,MX)	35%
8544.70.00	Optical fiber cables	Free		65%
8545	Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes:			
	Electrodes:			
8545.11.00	Of a kind used for furnaces	Free		45%
8545.19.00	Other	Free		45%
8545.20.00	Brushes	Free		45%
8545.90.00	Other	Free		45%
8546	Electrical insulators of any material:			
8546.10.00	Of glass	2.9%	Free (CA,E,IL,J, MX)	50%
8546.20.00	Of ceramics	3%	Free (B,CA,E,IL, J,MX)	60%
8546.90.00	Other	Free		30%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
85-29

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
8547	Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during molding solely for the purposes of assembly, other than insulators of heading 8546; electrical conduit tubing and joints therefor, of base metal lined with insulating material:			
8547.10.00	Insulating fittings of ceramics	3%	Free (B,CA,E,IL, J,MX)	60%
8547.20.00	Insulating fittings of plastics	Free		30%
8547.90.00	Other	4.6%	Free (B,CA,E,IL, J,MX)	45%
8548	Waste and scrap of primary cells, primary batteries and electric storage batteries; spent primary cells, spent primary batteries and spent electric storage batteries; electrical parts of machinery or apparatus, not specified or included elsewhere in this chapter:			
8548.10.00	Waste and scrap of primary cells, primary batteries and electric storage batteries; spent primary cells, spent primary batteries and spent electric storage batteries	Free		11.5%
8548.90.00	Other	Free		35%

Tariff Simplification (Inv. 332-388)

Concordance and Change Record

(Changes Indicated with Bold Type)

Chapter 85

Chapter Note Changes:

Add:

Delete: Additional U.S. note 11

Modified: Additional U.S. notes 4, 7 and 10

Renumbered: Additional U.S. notes 10 and 12

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8501.10.20	8501.10.30	6.7%	4.4%
8501.10.40	8501.10.30	4.4%	4.4%
8501.10.60	8501.10.60	2.8%	2.8%
8501.20.20	8501.20.20	3.3%	3.3%
8501.20.40	8501.20.40	4%	4%
8501.20.50	8501.20.80	3.3%	2.4%
8501.20.60	8501.20.80	2.4%	2.4%
8501.31.20	8501.31.20	2.8%	2.8%
8501.31.40	8501.31.40	4%	4%
8501.31.50	8501.31.70	3.3%	2.4%
8501.31.60	8501.31.70	2.4%	2.4%
8501.31.80	8501.31.80	2.5%	2.5%
8501.32.20	8501.32.20	2.9%	2.9%
8501.32.45	8501.32.40	Free	Free
8501.32.55	8501.32.40	Free	Free
8501.32.60	8501.32.60	2%	2%
8501.33.20	8501.33.20	Free	Free
8501.33.30	8501.33.30	2.8%	2.8%
8501.33.40	8501.33.40	2.8%	2.8%
8501.33.60	8501.33.60	2.5%	2.5%
8501.34.30	8501.34.30	2.8%	2.8%
8501.34.60	8501.34.60	2%	2%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8501.40.20	8501.40.20	3.3%	3.3%
8501.40.40	8501.40.40	4%	4%
8501.40.50	8501.40.70	3.3%	3.7%
8501.40.60	8501.40.70	3.7%	3.7%
8501.51.20	8501.51.30	2.5%	2.5%
8501.51.40	8501.51.30	2.5%	2.5%
8501.51.50	8501.51.80	3.3%	2.5%
8501.51.60	8501.51.80	2.5%	2.5%
8501.52.40	8501.52.40	3.7%	3.7%
8501.52.80	8501.52.80	Free	Free
8501.53.40	8501.53.40	Free	Free
8501.53.60	8501.53.60	4.2%	4.2%
8501.53.80	8501.53.80	2.8%	2.8%
8501.61.00	8501.61.00	2.5%	2.5%
8501.62.00	8501.62.00	2.5%	2.5%
8501.63.00	8501.63.00	2.5%	2.5%
8501.64.00	8501.64.00	2.4%	2.4%
8502.11.00	8502.11.00	2.5%	2.5%
8502.12.00	8502.12.00	2.5%	2.5%
8502.13.00	8502.13.00	2%	2%
8502.20.00	8502.20.00	2%	2%
8502.31.00	8502.31.00	2.5%	2.5%
8502.39.00	8502.39.00	2.5%	2.5%
8502.40.00	8502.40.00	3%	3%
8503.00.20	8503.00.20	2.4%	2.4%
8503.00.35	8503.00.40	6.5%	6.5%
8503.00.45	8503.00.60	Free	Free
8503.00.65	8503.00.80	3%	3%
8503.00.75	8503.00.40	6.5%	6.5%
8503.00.90	8503.00.60	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8503.00.95	8503.00.80	3%	3%
8504.10.00	8504.10.00	3%	3%
8504.21.00	8504.21.00	Free	Free
8504.22.00	8504.22.00	Free	Free
8504.23.00	8504.23.00	1.6%	1.6%
8504.31.20	8504.31.20	Free	Free
8504.31.40	8504.31.40	6.6%	6.6%
8504.31.60	8504.31.60	1.6%	1.6%
8504.32.00	8504.32.00	2.4%	2.4%
8504.33.00	8504.33.00	1.6%	1.6%
8504.34.00	8504.34.00	1.6%	1.6%
8504.40.40	8504.40.90	1.5%	1.5%
8504.40.60	8504.40.20	Free	Free
8504.40.70	8504.40.20	Free	Free
8504.40.85	8504.40.20	Free	Free
8504.40.95	8504.40.90	1.5%	1.5%
8504.50.40	8504.50.40	Free	Free
8504.50.80	8504.50.80	3%	3%
8504.90.20	8504.90.30	Free	Free
8504.90.40	8504.90.30	Free	Free
8504.90.65	8504.90.60	Free	Free
8504.90.75	8504.90.60	2.4%	2.4%
8504.90.95	8504.90.60	2.4%	2.4%
8505.11.00	8505.11.00	2.1%	2.1%
8505.19.00	8505.19.00	4.9%	4.9%
8505.20.00	8505.20.00	3.1%	3.1%
8505.30.00	8505.30.00	Free	Free
8505.90.40	8505.90.40	Free	Free
8505.90.80	8505.90.80	1.3%	1.3%
8506.10.00	8506.10.00	2.7%	2.7%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8506.30.10	8506.30.00	2.7%	2.7%
8506.30.50	8506.30.00	2.7%	2.7%
8506.40.10	8506.40.00	2.7%	2.7%
8506.40.50	8506.40.00	2.7%	2.7%
8506.50.00	8506.50.00	2.7%	2.7%
8506.60.00	8506.60.00	2.7%	2.7%
8506.80.00	8506.80.00	2.7%	2.7%
8506.90.00	8506.90.00	2.7%	2.7%
8507.10.00	8507.10.00	3.5%	3.5%
8507.20.40	8507.20.00	3.5%	3.5%
8507.20.80	8507.20.00	3.5%	3.5%
8507.30.40	8507.30.00	2.5%	2.5%
8507.30.80	8507.30.00	2.5%	2.5%
8507.40.40	8507.40.00	3.4%	3.4%
8507.40.80	8507.40.00	3.4%	3.4%
8507.80.40	8507.80.00	3.4%	3.4%
8507.80.80	8507.80.00	3.4%	3.4%
8507.90.40	8507.90.00	3.5%	3.4%
8507.90.80	8507.90.00	3.4%	3.4%
8508.10.00	8508.10.00	1.7%	1.7%
8508.20.00	8508.20.00	Free	Free
8508.80.00	8508.80.00	Free	Free
8508.90.40	8508.90.00	Free	Free
8508.90.80	8508.90.00	Free	Free
8509.10.00	8509.10.00	Free	Free
8509.20.00	8509.20.00	Free	Free
8509.30.00	8509.30.00	Free	Free
8509.40.00	8509.40.00	4.2%	4.2%
8509.80.00	8509.80.00	4.2%	4.2%
8509.90.05	8509.90.10	2%	2%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8509.90.15	8509.90.10	2%	2%
8509.90.25	8509.90.20	3.4%	3.4%
8509.90.35	8509.90.20	3.4%	3.4%
8509.90.45	8509.90.60	4.2%	4.2%
8509.90.55	8509.90.60	4.2%	4.2%
8510.10.00	8510.10.00	Free	Free
8510.20.00	8510.20.00	4%	4%
8510.30.00	8510.30.00	4.2%	4.2%
8510.90.10	8510.90.40	Free	Free
8510.90.20	8510.90.40	Free	Free
8510.90.30	8510.90.60	4%	4%
8510.90.55	8510.90.60	4.2%	4%
8511.10.00	8511.10.00	2.5%	2.5%
8511.20.00	8511.20.00	2.5%	2.5%
8511.30.00	8511.30.00	2.5%	2.5%
8511.40.00	8511.40.00	2.5%	2.5%
8511.50.00	8511.50.00	2.5%	2.5%
8511.80.20	8511.80.20	2.5%	2.5%
8511.80.40	8511.80.40	Free	Free
8511.80.60	8511.80.60	2.5%	2.5%
8511.90.20	8511.90.20	3.1%	3.1%
8511.90.40	8511.90.40	Free	Free
8511.90.60	8511.90.60	2.5%	2.5%
8512.10.20	8512.10.20	Free	Free
8512.10.40	8512.10.40	2.7%	2.7%
8512.20.20	8512.20.20	Free	Free
8512.20.40	8512.20.40	2.5%	2.5%
8512.30.00	8512.30.00	2.5%	2.5%
8512.40.20	8512.40.00	2.5%	2.5%
8512.40.40	8512.40.00	2.5%	2.5%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8512.90.20	8512.90.80	2.5%	2.5%
8512.90.40	8512.90.40	Free	Free
8512.90.60	8512.90.40	Free	Free
8512.90.70	8512.90.80	2.5%	2.5%
8512.90.90	8512.90.80	2.5%	2.5%
8513.10.20	8513.10.20	12.5%	12.5%
8513.10.40	8513.10.40	3.5%	3.5%
8513.90.20	8513.90.20	12.5%	12.5%
8513.90.40	8513.90.40	3.5%	3.5%
8514.10.00	8514.10.00	Free	Free
8514.20.00	8514.20.00	Free	Free
8514.30.20	8514.30.40	Free	Free
8514.30.60	8514.30.40	Free	Free
8514.30.80	8514.30.80	1.3%	1.3%
8514.40.00	8514.40.00	Free	Free
8514.90.00	8514.90.00	Free	Free
8515.11.00	8515.11.00	2.5%	2.5%
8515.19.00	8515.19.00	Free	Free
8515.21.00	8515.21.00	Free	Free
8515.29.00	8515.29.00	Free	Free
8515.31.00	8515.31.00	1.6%	1.6%
8515.39.00	8515.39.00	1.6%	1.6%
8515.80.00	8515.80.00	Free	Free
8515.90.10	8515.90.60	Free	Free
8515.90.30	8515.90.20	1.6%	1.6%
8515.90.40	8515.90.60	Free	Free
8516.10.00	8516.10.00	Free	Free
8516.21.00	8516.21.00	Free	Free
8516.29.00	8516.29.00	3.7%	3.7%
8516.31.00	8516.31.00	3.9%	3.9%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8516.32.00	8516.32.00	3.9%	3.9%
8516.33.00	8516.33.00	Free	Free
8516.40.20	8516.40.20	Free	Free
8516.40.40	8516.40.40	2.8%	2.8%
8516.50.00	8516.50.00	2%	2%
8516.60.40	8516.60.40	Free	Free
8516.60.60	8516.60.60	2.7%	2.7%
8516.71.00	8516.71.00	3.7%	3.7%
8516.72.00	8516.72.00	5.3%	5.3%
8516.79.00	8516.79.00	2.7%	2.7%
8516.80.40	8516.80.00	Free	Free
8516.80.80	8516.80.00	Free	Free
8516.90.05	8516.90.05	3.7%	3.7%
8516.90.15	8516.90.95	3.9%	3.9%
8516.90.25	8516.90.95	3.9%	3.9%
8516.90.35	8516.90.65	Free	Free
8516.90.45	8516.90.65	Free	Free
8516.90.50	8516.90.6500	Free	Free
8516.90.55	8516.90.6500	Free	Free
8516.90.65	8516.90.6500	Free	Free
8516.90.75	8516.90.6500	Free	Free
8516.90.80	8516.90.6500	Free	Free
8516.90.85	8516.90.95	3.9%	3.9%
8516.90.90	8516.90.95	3.9%	3.9%
8517.11.00	8517.11.00	Free	Free
8517.19.40	8517.19.00	Free	Free
8517.19.80	8517.19.00	Free	Free
8517.21.00	8517.21.00	Free	Free
8517.22.00	8517.22.00	Free	Free
8517.30.15	8517.30.00	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8517.30.20	8517.30.00	Free	Free
8517.30.25	8517.30.00	Free	Free
8517.30.30	8517.30.00	Free	Free
8517.30.50	8517.30.00	Free	Free
8517.50.10	8517.50.00	Free	Free
8517.50.50	8517.50.00	Free	Free
8517.50.60	8517.50.00	Free	Free
8517.50.90	8517.50.00	Free	Free
8517.80.10	8517.80.00	Free	Free
8517.80.20	8517.80.00	Free	Free
8517.90.04	8517.90.04	Free	Free
8517.90.08	8517.90.90	Free	Free
8517.90.12	8517.90.90	Free	Free
8517.90.16	8517.90.90	Free	Free
8517.90.24	8517.90.90	Free	Free
8517.90.26	8517.90.90	Free	Free
8517.90.32	8517.90.90	Free	Free
8517.90.34	8517.90.90	Free	Free
8517.90.36	8517.90.90	Free	Free
8517.90.38	8517.90.90	Free	Free
8517.90.44	8517.90.90	Free	Free
8517.90.48	8517.90.90	Free	Free
8517.90.52	8517.90.90	Free	Free
8517.90.56	8517.90.90	Free	Free
8517.90.58	8517.90.90	Free	Free
8517.90.64	8517.90.90	Free	Free
8517.90.66	8517.90.90	Free	Free
8518.10.40	8518.10.40	Free	Free
8518.10.80	8518.10.80	4.9%	4.9%
8518.21.00	8518.21.00	4.9%	4.9%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8518.22.00	8518.22.00	4.9%	4.9%
8518.29.40	8518.29.40	Free	Free
8518.29.80	8518.29.80	4.9%	4.9%
8518.30.10	8518.30.10	Free	Free
8518.30.20	8518.30.20	4.9%	4.9%
8518.40.10	8518.40.10	Free	Free
8518.40.20	8518.40.20	4.9%	4.9%
8518.50.00	8518.50.00	4.9%	4.9%
8518.90.20	8518.90.40	Free	Free
8518.90.40	8518.90.80	8.5%	4.9%
8518.90.60	8518.90.40	Free	Free
8518.90.80	8518.90.80	4.9%	4.9%
8519.10.00	8519.10.00	Free	Free
8519.21.00	8519.21.00	Free	Free
8519.29.00	8519.29.00	3.9%	3.9%
8519.31.00	8519.31.00	3.9%	3.9%
8519.39.00	8519.39.00	Free	Free
8519.40.00	8519.40.00	3.9%	3.9%
8519.92.00	8519.92.00	Free	Free
8519.93.40	8519.93.40	3.7%	3.7%
8519.93.80	8519.93.80	Free	Free
8519.99.00	8519.99.00	Free	Free
8520.10.00	8520.10.00	Free	Free
8520.20.00	8520.20.00	Free	Free
8520.32.00	8520.32.00	Free	Free
8520.33.00	8520.33.00	Free	Free
8520.39.00	8520.39.00	Free	Free
8520.90.00	8520.90.00	Free	Free
8521.10.30	8521.10.00	Free	Free
8521.10.60	8521.10.00	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8521.10.90	8521.10.00	Free	Free
8521.90.00	8521.90.00	Free	Free
8522.10.00	8522.10.00	3.9%	3.9%
8522.90.25	8522.90.95	2%	2%
8522.90.35	8522.90.95	2%	2%
8522.90.45	8522.90.45	Free	Free
8522.90.55	8522.90.95	2%	2%
8522.90.65	8522.90.95	2%	2%
8522.90.75	8522.90.95	2%	2%
8523.11.00	8523.11.00	Free	Free
8523.12.00	8523.12.00	Free	Free
8523.13.00	8523.13.00	Free	Free
8523.20.00	8523.20.00	Free	Free
8523.30.00	8523.30.00	Free	Free
8523.90.00	8523.90.00	Free	Free
8524.10.00	8524.10.00	1.8%	1.8%
8524.31.00	8524.31.00	Free	Free
8524.32.00	8524.32.00	Free	Free
8524.39.40	8524.39.40	Free	Free
8524.39.80	8524.39.80	2.7%	2.7%
8524.40.00	8524.40.00	Free	Free
8524.51.10	8524.51.00	Free	1.28% [AVE]
8524.51.30	8524.51.00	4.8¢/m ² of recording surface	0.88% [AVE]
8524.52.10	8524.52.10	0.33¢/lin. m	1.60% [AVE]
8524.52.20	8524.52.20	4.8¢/m ² of recording surface	0.93% [AVE]
8524.53.10	8524.53.00	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8524.53.20	8524.53.00	4.8¢/m ² of recording surface	Free
8524.60.00	8524.60.00	Free	Free
8524.91.00	8524.91.00	Free	Free
8524.99.20	8524.99.00	Free	Free
8524.99.40	8524.99.00	Free	Free
8525.10.10	8525.10.10	Free	Free
8525.10.30	8525.10.30	1.8%	1.8%
8525.10.70	8525.10.70	3%	3%
8525.10.90	8525.10.90	Free	Free
8525.20.05	8525.20.00	Free	Free
8525.20.15	8525.20.00	Free	Free
8525.20.20	8525.20.00	Free	Free
8525.20.30	8525.20.00	Free	Free
8525.20.90	8525.20.00	Free	Free
8525.30.30	8525.30.00	2.1%	2.1%
8525.30.60	8525.30.00	2.1%	2.1%
8525.30.90	8525.30.00	2.1%	2.1%
8525.40.40	8525.40.40	Free	Free
8525.40.80	8525.40.80	2.1%	2.1%
8526.10.00	8526.10.00	Free	Free
8526.91.00	8526.91.00	Free	Free
8526.92.00	8526.92.00	4.9%	4.9%
8527.12.00	8527.12.00	Free	Free
8527.13.11	8527.13.00	Free	Free
8527.13.20	8527.13.00	Free	Free
8527.13.40	8527.13.00	Free	Free
8527.13.60	8527.13.00	Free	Free
8527.19.10	8527.19.10	Free	Free
8527.19.50	8527.19.50	3%	3%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8527.21.10	8527.21.10	2%	2%
8527.21.40	8527.21.40	Free	Free
8527.29.40	8527.29.00	4.4%	4.4%
8527.29.80	8527.29.00	4.4%	4.4%
8527.31.05	8527.31.20	4.9%	1%
8527.31.05	8527.31.40	4.9%	2.5%
8527.31.05	8527.31.90	4.9%	Free
8527.31.40	8527.31.20	1%	1%
8527.31.50	8527.31.40	2.5%	2.5%
8527.31.60	8527.31.90	Free	Free
8527.32.10	8527.32.10	Free	Free
8527.32.50	8527.32.50	3%	3%
8527.39.00	8527.39.00	3%	3%
8527.90.40	8527.90.20	Free	Free
8527.90.50	8527.90.40	Free	Free
8527.90.85	8527.90.60	Free	Free
8527.90.95	8527.90.80	6%	6%
8528.12.04	8528.12.10	Free	Free
8528.12.08	8528.12.10	Free	Free
8528.12.12	8528.12.15	Free	Free
8528.12.16	8528.12.25	3.9%	3.9%
8528.12.20	8528.12.15	Free	Free
8528.12.24	8528.12.30	5%	5%
8528.12.28	8528.12.25	3.9%	3.9%
8528.12.32	8528.12.30	5%	5%
8528.12.36	8528.12.38	3.9%	5%
8528.12.40	8528.12.38	5%	5%
8528.12.44	8528.12.38	3.9%	5%
8528.12.48	8528.12.38	5%	5%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8528.12.52	8528.12.38	3.9%	5%
8528.12.56	8528.12.38	5%	5%
8528.12.62	8528.12.70	Free	Free
8528.12.64	8528.12.90	3.9%	5%
8528.12.68	8528.12.70	Free	Free
8528.12.72	8528.12.90	5%	5%
8528.12.76	8528.12.70	Free	Free
8528.12.80	8528.12.90	3.9%	5%
8528.12.84	8528.12.70	Free	Free
8528.12.92	8528.12.85	Free	Free
8528.12.93	8528.12.85	Free	Free
8528.12.97	8528.12.90	5%	5%
8528.13.00	8528.13.00	5%	5%
8528.21.05	8528.21.12	Free	Free
8528.21.10	8528.21.12	Free	Free
8528.21.16	8528.21.15	Free	Free
8528.21.19	8528.21.35	3.9%	5%
8528.21.24	8528.21.15	Free	Free
8528.21.29	8528.21.35	5%	5%
8528.21.34	8528.21.35	3.9%	5%
8528.21.39	8528.21.35	5%	5%
8528.21.41	8528.21.45	3.9%	5%
8528.21.42	8528.21.45	5%	5%
8528.21.44	8528.21.45	3.9%	5%
8528.21.49	8528.21.45	5%	5%
8528.21.51	8528.21.45	3.9%	5%
8528.21.52	8528.21.45	5%	5%
8528.21.55	8528.21.78	Free	Free
8528.21.60	8528.21.84	3.9%	5%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8528.21.65	8528.21.78	Free	Free
8528.21.70	8528.21.84	5%	5%
8528.21.75	8528.21.78	Free	Free
8528.21.80	8528.21.84	3.9%	5%
8528.21.85	8528.21.78	Free	Free
8528.21.90	8528.21.94	5%	5%
8528.22.00	8528.22.00	5%	5%
8528.30.10	8528.30.15	Free	Free
8528.30.20	8528.30.15	Free	Free
8528.30.30	8528.30.45	3.9%	5%
8528.30.40	8528.30.45	5%	5%
8528.30.50	8528.30.45	3.9%	5%
8528.30.60	8528.30.45	5%	5%
8528.30.62	8528.30.70	Free	Free
8528.30.64	8528.30.80	3.9%	5%
8528.30.66	8528.30.70	Free	Free
8528.30.68	8528.30.80	5%	5%
8528.30.72	8528.30.80	3.9%	5%
8528.30.78	8528.30.80	5%	5%
8528.30.90	8528.30.90	5%	5%
8529.10.20	8529.10.20	1.8%	1.8%
8529.10.40	8529.10.40	Free	Free
8529.10.70	8529.10.70	Free	Free
8529.10.90	8529.10.90	3%	3%
8529.90.01	8529.90.10	3%	3%
8529.90.03	8529.90.20	4%	4%
8529.90.06	8529.90.30	Free	Free
8529.90.09	8529.90.50	3.3%	3.3%
8529.90.13	8529.90.60	2.9%	2.9%
8529.90.16	8529.90.70	3.2%	3.2%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8529.90.19	8529.90.80	3.2%	3.2%
8529.90.23	8529.90.90	Free	Free
8529.90.26	8529.90.70	3.2%	3.2%
8529.90.29	8529.90.10	3%	3%
8529.90.33	8529.90.20	4%	4%
8529.90.36	8529.90.30	Free	Free
8529.90.39	8529.90.60	2.9%	2.9%
8529.90.43	8529.90.20	4%	4%
8529.90.46	8529.90.30	Free	Free
8529.90.49	8529.90.60	2.9%	2.9%
8529.90.53	8529.90.60	2.9%	2.9%
8529.90.63	8529.90.50	3.3%	3.3%
8529.90.69	8529.90.60	2.9%	2.9%
8529.90.73	8529.90.70	3.2%	3.2%
8529.90.73	8529.90.80	3.2%	3.2%
8529.90.76	8529.90.90	Free	Free
8529.90.78	8529.90.40	Free	Free
8529.90.81	8529.90.50	3.3%	3.3%
8529.90.83	8529.90.60	2.9%	2.9%
8529.90.85	8529.90.90	Free	Free
8529.90.88	8529.90.20	4%	4%
8529.90.89	8529.90.30	Free	Free
8529.90.93	8529.90.60	2.9%	2.9%
8529.90.95	8529.90.70	3.2%	3.2%
8529.90.97	8529.90.80	3.2%	3.2%
8529.90.99	8529.90.90	Free	Free
8530.10.00	8530.10.00	Free	Free
8530.80.00	8530.80.00	Free	Free
8530.90.00	8530.90.00	Free	Free
8531.10.00	8531.10.00	1.3%	1.3%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8531.20.00	8531.20.00	Free	Free
8531.80.40	8531.80.00	Free	Free
8531.80.70	8531.80.00	Free	Free
8531.80.90	8531.80.00	Free	Free
8531.90.10	8531.90.00	Free	Free
8531.90.30	8531.90.00	Free	Free
8531.90.70	8531.90.00	Free	Free
8531.90.90	8531.90.00	Free	Free
8532.10.00	8532.10.00	Free	Free
8532.21.00	8532.21.00	Free	Free
8532.22.00	8532.22.00	Free	Free
8532.23.00	8532.23.00	Free	Free
8532.24.00	8532.24.00	Free	Free
8532.25.00	8532.25.00	Free	Free
8532.29.00	8532.29.00	Free	Free
8532.30.00	8532.30.00	Free	Free
8532.90.00	8532.90.00	Free	Free
8533.10.00	8533.10.00	Free	Free
8533.21.00	8533.21.00	Free	Free
8533.29.00	8533.29.00	Free	Free
8533.31.00	8533.31.00	Free	Free
8533.39.00	8533.39.00	Free	Free
8533.40.40	8533.40.00	Free	Free
8533.40.80	8533.40.00	Free	Free
8533.90.40	8533.90.00	Free	Free
8533.90.80	8533.90.00	Free	Free
8534.00.00	8534.00.00	Free	Free
8535.10.00	8535.10.00	2.7%	2.7%
8535.21.00	8535.21.00	2.7%	2.7%
8535.29.00	8535.29.00	2%	2%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8535.30.00	8535.30.00	2.7%	2.7%
8535.40.00	8535.40.00	2.7%	2.7%
8535.90.40	8535.90.00	2.7%	2.7%
8535.90.80	8535.90.00	2.7%	2.7%
8536.10.00	8536.10.00	2.7%	2.7%
8536.20.00	8536.20.00	2.7%	2.7%
8536.30.40	8536.30.00	2.7%	2.7%
8536.30.80	8536.30.00	2.7%	2.7%
8536.41.00	8536.41.00	2.7%	2.7%
8536.49.00	8536.49.00	2.7%	2.7%
8536.50.40	8536.50.80	2.7%	2.7%
8536.50.70	8536.50.20	Free	Free
8536.50.90	8536.50.80	2.7%	2.7%
8536.61.00	8536.61.00	2.7%	2.7%
8536.69.40	8536.69.40	Free	Free
8536.69.80	8536.69.80	2.7%	2.7%
8536.90.40	8536.90.40	Free	Free
8536.90.80	8536.90.80	2.7%	2.7%
8537.10.30	8537.10.00	2.7%	2.7%
8537.10.60	8537.10.00	2.7%	2.7%
8537.10.90	8537.10.00	2.7%	2.7%
8537.20.00	8537.20.00	2.7%	2.7%
8538.10.00	8538.10.00	3.7%	3.7%
8538.90.10	8538.90.20	Free	Free
8538.90.30	8538.90.90	3.5%	3.5%
8538.90.40	8538.90.90	3.5%	3.5%
8538.90.60	8538.90.90	3.5%	3.5%
8538.90.80	8538.90.90	3.5%	3.5%
8539.10.00	8539.10.00	2%	2%
8539.21.20	8539.21.20	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8539.21.40	8539.21.40	2.6%	2.6%
8539.22.40	8539.22.40	5.8%	5.8%
8539.22.80	8539.22.80	2.6%	2.6%
8539.29.10	8539.29.10	5.8%	5.8%
8539.29.20	8539.29.25	5.2%	Free
8539.29.30	8539.29.25	Free	Free
8539.29.40	8539.29.40	2.6%	2.6%
8539.31.00	8539.31.00	2.4%	2.4%
8539.32.00	8539.32.00	2.4%	2.4%
8539.39.00	8539.39.00	2.4%	2.4%
8539.41.00	8539.41.00	2.6%	2.6%
8539.49.00	8539.49.00	2.4%	2.4%
8539.90.00	8539.90.00	2.6%	2.6%
8540.11.10	8540.11.85	15%	15%
8540.11.24	8540.11.25	7.5%	7.5%
8540.11.28	8540.11.85	15%	15%
8540.11.30	8540.11.85	15%	15%
8540.11.44	8540.11.25	7.5%	7.5%
8540.11.48	8540.11.85	15%	15%
8540.11.50	8540.11.45	15%	15%
8540.11.50	8540.11.85	15%	15%
8540.12.10	8540.12.00	3.6%	3.3%
8540.12.20	8540.12.00	3.6%	3.3%
8540.12.50	8540.12.00	3.3%	3.3%
8540.12.70	8540.12.00	3.3%	3.3%
8540.20.20	8540.20.20	6%	6%
8540.20.40	8540.20.40	3.3%	3.3%
8540.40.00	8540.40.00	3%	3%
8540.50.00	8540.50.00	Free (A+,B,CA,E,	Free (A+,B,CA,E,

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8540.60.00	8540.60.00	Free (A+,B,CA,E,	Free (A+,B,CA,E,
8540.71.20	8540.71.20	Free	Free
8540.71.40	8540.71.40	3.7%	3.7%
8540.72.00	8540.72.00	3.3%	3.3%
8540.79.00	8540.79.00	3.7%	3.7%
8540.81.00	8540.81.00	4.2%	4.2%
8540.89.00	8540.89.00	3.7%	3.7%
8540.91.15	8540.91.90	5.4%	5.4%
8540.91.20	8540.91.20	Free	Free
8540.91.50	8540.91.90	5.4%	5.4%
8540.99.40	8540.99.00	Free	Free
8540.99.80	8540.99.00	Free	Free
8541.10.00	8541.10.00	Free	Free
8541.21.00	8541.21.00	Free	Free
8541.29.00	8541.29.00	Free	Free
8541.30.00	8541.30.00	Free	Free
8541.40.20	8541.40.00	Free	Free
8541.40.60	8541.40.00	Free	Free
8541.40.70	8541.40.00	Free	Free
8541.40.80	8541.40.00	Free	Free
8541.40.95	8541.40.00	Free	Free
8541.50.00	8541.50.00	Free	Free
8541.60.00	8541.60.00	Free	Free
8541.90.00	8541.90.00	Free	Free
8542.12.00	8542.12.00	Free	Free
8542.13.40	8542.13.00	Free	Free
8542.13.80	8542.13.00	Free	Free
8542.14.40	8542.14.00	Free	Free
8542.14.80	8542.14.00	Free	Free
8542.19.40	8542.19.00	Free	Free

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8542.19.80	8542.19.00	Free	Free
8542.30.00	8542.30.00	Free	Free
8542.40.00	8542.40.00	Free	Free
8542.50.00	8542.50.00	Free	Free
8542.90.00	8542.90.00	Free	Free
8543.11.00	8543.11.00	Free	Free
8543.19.00	8543.19.00	1.9%	1.9%
8543.20.00	8543.20.00	2.6%	2.6%
8543.30.00	8543.30.00	2.6%	2.6%
8543.40.00	8543.40.00	2.6%	2.6%
8543.81.00	8543.81.00	Free	Free
8543.89.40	8543.89.40	2.6%	2.6%
8543.89.60	8543.89.90	2.6%	2.6%
8543.89.70	8543.89.90	2%	2%
8543.89.80	8543.89.90	2.6%	2.6%
8543.89.85	8543.89.20	Free	Free
8543.89.92	8543.89.20	Free	Free
8543.89.96	8543.89.90	2.6%	2.6%
8543.90.15	8543.90.30	2.6%	2.6%
8543.90.35	8543.90.30	2.6%	2.6%
8543.90.64	8543.90.60	Free	Free
8543.90.68	8543.90.80	2.6%	2.6%
8543.90.84	8543.90.60	Free	Free
8543.90.88	8543.90.80	2.6%	2.6%
8544.11.00	8544.11.00	3.5%	3.5%
8544.19.00	8544.19.00	3.9%	3.9%
8544.20.00	8544.20.00	5.3%	5.3%
8544.30.00	8544.30.00	5%	5%
8544.41.40	8544.41.40	Free	Free
8544.41.80	8544.41.80	2.6%	2.6%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
8544.49.40	8544.49.40	Free	Free
8544.49.80	8544.49.80	3.5%	3.5%
8544.51.40	8544.51.30	Free	Free
8544.51.70	8544.51.30	Free	Free
8544.51.90	8544.51.90	2.6%	2.6%
8544.59.20	8544.59.20	5.3%	5.3%
8544.59.40	8544.59.40	3.9%	3.9%
8544.60.20	8544.60.20	3.7%	3.7%
8544.60.40	8544.60.40	3.5%	3.5%
8544.60.60	8544.60.60	3.2%	3.2%
8544.70.00	8544.70.00	Free	Free
8545.11.00	8545.11.00	Free	Free
8545.19.20	8545.19.00	Free	Free
8545.19.40	8545.19.00	Free	Free
8545.20.00	8545.20.00	Free	Free
8545.90.20	8545.90.00	Free	Free
8545.90.40	8545.90.00	Free	Free
8546.10.00	8546.10.00	2.9%	2.9%
8546.20.00	8546.20.00	3%	3%
8546.90.00	8546.90.00	Free	Free
8547.10.40	8547.10.00	3%	3%
8547.10.80	8547.10.00	3%	3%
8547.20.00	8547.20.00	Free	Free
8547.90.00	8547.90.00	4.6%	4.6%
8548.10.05	8548.10.00	Free	Free
8548.10.15	8548.10.00	Free	Free
8548.10.25	8548.10.00	Free	Free
8548.10.35	8548.10.00	Free	Free
8548.90.00	8548.90.00	Free	Free